

**Regarding Point V**

**Substantiated finding with regard to novelty, to inventive activity and to commercial applicability; documents and explanations in support of this finding**

1. The present report refers to the following documents:

- D1: US 4,714,407 A (RUBINI ALFRED ET AL) 22 December 1987
- D2: US 3,745,629 A (PASK G ET AL) 17 July 1973
- D3: US 2,738,950 A (PRICE NATHAN C) 20 March 1956
- D4: US 2003/031564 A1 (KUSHIDA TSUNEHARU ET AL) 13 February 2003
- D5: US 2004/091353 A1 (SHAHPAR SHAHROKHY ET AL) 13 May 2004

2. The present application does not fulfil the requirements of Article 33(1) PCT, because the subject of Claims 1 and 3 is not novel within the meaning of Article 33(2) PCT.

2.1 Document D1 discloses a (the references in brackets relate to this document):

turbine blade (36), which has a blade height, a rotor-side end and a stator-side end, a leading edge and trailing edge, and a suction side and delivery side and which is designed for use in relation to a general direction of flow, the turbine blade (36) having a negative sweep in the direction of flow at its rotor-side end and at its stator-side end.  
(Figure 8)

The subject of Claim 1 is therefore not novel.

2.2 Document D2 discloses a (the references in brackets relate to this document):

turbine blade (26), which has a blade height, a rotor-side end and a stator-side end (30, 32), a leading edge and trailing edge and a suction side and delivery side (36, 34) and which is designed for use in relation to a general direction of flow, the turbine blade being inclined toward the delivery side (34) at its rotor-side end (30) and at its stator-side end (32) in a radial direction with respect to the direction of flow (figures).

The subject of Claim 3 is therefore not novel.

- 2 -

2.3 Documents D3 and D4, too, disclose the feature combination of Claim 1.

3. The dependent Claims 2 and 4-20 do not appear to contain any features which, in combination with the features of any claim to which they relate, fulfil the requirements of the PCT with regard to novelty or to inventive activity, since these features are already known from D1-D4 or since these features come within the scope of that which a person skilled in the art is accustomed to employ by virtue of the considerations familiar to him; see, for example:

- D1, Figure 8 for Claims 2, 11, 13, 14 and 19.
- D2, Figures for Claims 5 and 15-20.
- D3, in particular the combination of Figures 1, 2 and 4 for Claims 2, 4, 5, 8, 10-15, 17, 19 and 20.

#### **Regarding Point VI**

##### **Specific documents produced**

Specific published documents

Application No. Patent No.	Publication date (Day/Month/Year)	Filing date (Day/Month/Year)	Priority date (rightly claimed) (Day/Month/Year)
US 2004/091353	13-05-2004		03-09-2002

Document D5 appears to disclose at least the feature combinations of Claims 1-7, 10, 11, 13-15, 17 and 19.